

Title (en)  
SCROLL PUMP

Title (de)  
SPIRALPUMPE

Title (fr)  
POMPE À VOLUTE

Publication  
**EP 2742241 B1 20181003 (EN)**

Application  
**EP 12751587 A 20120809**

Priority  
• GB 201113843 A 20110811  
• GB 2012051930 W 20120809

Abstract (en)  
[origin: GB2493552A] A vacuum pump comprising a scroll pumping mechanism 10, which comprises two scrolls 20, 22 which are co-operable for pumping gas along a pumping channel from an inlet to an outlet on relative orbiting motion of the scrolls and a gas conduit 38 having an inlet 40 at a first location of the pumping channel 32 and an outlet 42 at a second location of the pumping channel allowing over-compression at the first location of the pumping channel to be exhausted to the second location of the pumping channel, where a one-way valve 44 is located in the gas conduit and allows the passage of gas through the conduit from the conduit inlet to the conduit outlet only when a predetermined pressure differential between the first and second locations of the pumping channel is generated during roughing when the scroll inlet is at or close to atmosphere.

IPC 8 full level  
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CPC (source: EP GB US)  
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Citation (examination)  
EP 0679810 A2 19951102 - BOC GROUP PLC [GB]

Designated contracting state (EPC)  
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